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Dated: March 31, 2005

Signature: 

(Ronald E. Cahill)



Docket No.: 022727-0106
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Pallab Banerjee et al.

Confirmation No.: 1011

Application No.: 10/806,025

Art Unit: 1632

Filed: March 22, 2004

Examiner: Not Yet Assigned

For: HYPERBRANCHED DENDRON AND
METHODS OF SYNTHESIS AND USE
THEREOF

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed are the following documents for filing in connection with the above-referenced patent application:

1. Information Disclosure Statement;
2. PTO/SB/08A (1449); and
3. Copies of foreign and non-patent references

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 141449, under Order No. 022727-0106.

Dated: March 31, 2005

Respectfully Submitted,

By 

Ronald E. Cahill

Registration No.: 38,403

NUTTER MCCLENNEN & FISH LLP

World Trade Center West

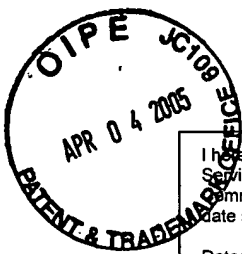
155 Seaport Boulevard

Boston, Massachusetts 02210-2604

(617) 439-2000

(617) 310-9000 (Fax)

Attorney for Applicant



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INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.56, §1.97 and §1.98, the attention of the Patent and Trademark Office is hereby directed to the cited references listed on the attached copy of PTO/SB/08A. It is respectfully requested that the information be expressly considered during the prosecution of this application and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Applicants have not submitted a copy of the cited U.S. patents as required by 37 C.F.R. 1.98 (a)(2) since the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. However, a copy of the foreign and non-patent references are enclosed.

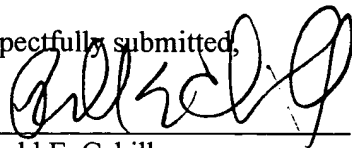
It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 141449, under Order No. 022727-0106.

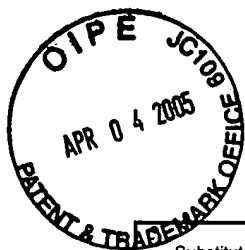
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NUTTER MCCLENNEN & FISH LLP
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155 Seaport Boulevard
Boston, Massachusetts 02210-2604
(617) 439-2000
(617) 310-9000 (Fax)
Attorney for Applicant

1413146.1



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/806,025-Conf. #1011
				Filing Date	March 22, 2004
				First Named Inventor	Pallab Banerjee
				Art Unit	1632
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	022727-0106

01U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-4,587,329	05-06-1986	Tomalia et al.	
	AB	US-5,338,532	08-16-1994	Tomalia et al.	
	AC	US-5,460,831	10-24-1995	Kossovsky et al.	
	AD	US-5,514,764	05-07-1996	Frechet et al.	
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	AF	US-5,661,025	08-26-1997	Szoka et al.	
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	AM	US-6,013,240	01-11-2000	Behr et al.	
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	AX	US-2003/0004312	01-02-2003	Prusiner et al.	

FOREIGN PATENT DOCUMENTS					
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	BA	EP 0780152	06-25-1997	Zwijnenburg et al.	
	BB	WO 99/34908	07-15-1999	Tomalia et al.	
	BC	WO 01/76633	10-18-2001	Weber et al.	

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Pettersson, B., "Hyperbranched Polymers – Unique Design Tools For Multi Property Control in Resins and Coatings, Perstop Polyols – Application Technology, pp. 1-19	

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO				Complete if Known	
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				First Named Inventor	Pallab Banerjee
				Art Unit	1632
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	022727-0106

CB	Pelta, J. et al., "DNA Aggregation Induced by Polyamines and Cobalthexamine," <i>J Biol Chem.</i> , 271, 5656-5662, 1996.	
CC	Haensler, J. et al., "Polyamidoamine Cascade Polymers Mediate Efficient Transfection of Cells in Culture," <i>Bioconjugate Chem.</i> 4, 372-379, 1993.	
CD	Ohsaki, M. et al., "In Vitro Gene Transfection Using Dendritic Poly(L-lysine)," <i>Bioconjugate Chem.</i> 13, 510-517, 2002.	
CE	Kukowska-Latallo, J.F. et al., "Efficient Transfer of Genetic Material into Mammalian Cells Using Starburst Polyamidoamine Dendrimers," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93, 4897-4902, 1996.	
CF	Choi, J.S., et al., "Synthesis of a Barbell-like Triblock Copolymer, Poly(L-lysine) Dendrimer-block-poly(ethylene glycol)-block-poly(L-lysine) Dendrimer, and its Self-Assembly With Plasmid DNA," <i>J. Am. Chem. Soc.</i> , 122, 474-480, 2000.	
CG	Boussif, O., et al., "Optimized Galenics Improve In Vitro Gene Transfer With Cationic Molecules Up to 1000-Fold," <i>Gene Therapy</i> 3, 1074-1080, 1996.	
CH	Godbey, et al., "Tracking the Intracellular Path of Poly(ethylenimine)/DNA Complexes For Gene Delivery," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 96, 5177-5181, 1999.	
CI	Tang, M.X., et al., "In Vitro Gene Delivery by Degraded Polyamidoamine Dendrimers," <i>Bioconjugate Chem.</i> 7, 703-714, 1996.	
CJ	Lim, Y. B., et al., "Cationic Hyperbranched Poly(amino ester): A Novel Class of DNA Condensing Molecule with Cationic Surface, Biodegradable Three-Dimensional Structure, and Tertiary Amine Groups in the Interior," <i>J. Am. Chem. Soc.</i> , 123, 2460-2461, 2001.	
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CL	Fischer et al., "A Novel Non-Viral Vector for DNA Delivery Based on Low Molecular Weight, Branched Polyethylenimine: Effect of Molecular Weight on Transfection Efficiency and Cytotoxicity," <i>Pharm. Res.</i> 16, 1273-1279, 1999.	
CM	Godbey, W.T., et al., "Poly(ethylenimine) and its Role in Gene Delivery," <i>J. Control. Release.</i> 60, 149-160, 1999.	
CN	Ferrari, S., et al., "ExGen 500 is an Efficient Vector for Gene Delivery to Lung Epithelial Cells In Vitro and In Vivo," <i>Gene Ther.</i> 4, 1100-1106, 1997.	
CO	Goula, D., et al., "Size, Diffusibility and Transfection Performance of Linear PEI/DNA Complexes in the Mouse Central Nervous System," <i>Gene Ther.</i> 5, 712-717, 1998.	
CP	Goula, D., et al., "Polyethylenimine-based Intravenous Delivery of Transgenes to Mouse Lung," <i>Gene Ther.</i> 5, 1291-1295, 1998.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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